

2009 ANNUAL

APPRENTICES & TRAINEES

Australian vocational
education & training statistics



Australian Government
Department of Education, Employment
and Workplace Relations

Australian vocational education and training statistics

Apprentices and trainees

Annual
2009

Highlights

- 3.8% of Australian workers were employed as an apprentice or trainee as at December 2009, compared with 2.8% in 1999.
- While overall commencements decreased by 6.0% in 2009, compared with 2008, existing worker commencements increased by 13.4% over the same period.

Trades

- Within the trades, 12.1% of workers were employed as an apprentice or trainee as at December 2009, compared with 9.2% in 1999.
- The completion rate for contracts of training commenced in 2004 for trade apprentices and trainees was 45.8%.
- Attrition rates from contracts within the first 12 months for trade apprentices and trainees have increased from 27.8% for contracts commencing in 2001 to 32.2% for contracts commencing in 2008.
- 28.1% of all trade apprentices and trainees completing higher-level qualifications (certificate III and above) in 2009 completed their training in two years or less, compared with 19.0% in 1999.

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Introduction

This annual publication provides a summary of training activity in apprenticeships and traineeships in Australia, including information on training rates, completion rates, attrition rates, training within the trades and duration of training. The figures in this publication are derived from the National Apprentice and Trainee Collection no.63 (March 2010 estimates), which is compiled under the Australian Vocational Education and Training Management Information Statistical Standard (AVETMISS) for Apprentice and Trainee Collection Specifications, Release 6.0, March 2008.

Scope

An apprentice or trainee is a person who undertakes a contract of training with an employer and a training provider. This publication presents an analysis of training activity undertaken by apprentices and trainees in Australia in the period from 1999 to 2009.

More information

For additional information on apprentices and trainees, please refer to <<http://www.ncver.edu.au/publications/2263.html>>. This site includes data tables in this publication by state and territory, and additional seasonally adjusted data tables. Supporting documentation, including links to data cubes and the estimation methodology, are also available via this link.

Australia in summary

The number of apprentices and trainees in-training as at 31 December 2009 was 414 900, a decrease of 0.6% from one year earlier. *Table 1*

In the 12 months to 31 December 2009, compared with the previous year:

- commencements decreased by 6.0%, to 271 400 *Table 1*
- completions increased by 3.5%, to 159 400 *Table 1*
- cancellations and withdrawals decreased by 8.7%, to 122 000. *Table 1*

For the 12 months ending 31 December 2009, compared with the previous year, existing worker commencements increased by 13.4%. The increase in existing workers was observed for non-trades occupations only. *Table 3*

For the 12 months ending 31 December 2009, compared with the previous year, commencements decreased by:

- 17.1% for trades *Table 4*
- 1.2% for non-trades. *Table 5*

Training rates

Training rates present apprentices and trainees as a proportion of individuals employed.

As of December 2009:

- 3.8% of Australian workers were employed as an apprentice or trainee *Table 6*
- 12.1% of workers within the trades were employed as an apprentice or trainee *Table 7*
- 16.3% of employed teenagers (aged 15 to 19 years) were employed as an apprentice or trainee *Table 7*
- over three-quarters (78.9%) of teenagers employed in trade occupations were employed as an apprentice or trainee. *Table 8*

Completion and attrition rates

This publication provides completion rates for trade apprentices and trainees who started their training between 2004 and 2005 and non-trade apprentices and trainees who started their training between 2004 and 2006. For more recent years a 'completion rate to date' is presented, because a substantial proportion is yet to complete training, particularly in trade occupations.

NCVER has undertaken some additional work on experimental completion and attrition rates based on a 'life tables' methodology, predicting rates for recently commencing apprentices and trainees. Further details on this new methodology and results can be found at <<http://www.ncver.edu.au/publications/2265.html>>.

Attrition rates are calculated on the withdrawal or cancellation from contracts.

The contract completion rate for trade apprentices and trainees who commenced their training during 2004 was 45.8%, compared with 51.8% for non-trade apprentices and trainees. Table 10
Table 11

Attrition rates within the first 12 months for apprentice and trainee cohorts commencing from 2001 to 2008 have been steady, ranging from 31.5% to 32.8%. Table 13

For trade occupations, attrition within the first 12 months is on the increase, with 32.2% of apprentices and trainees who commenced in 2008 no longer in training after 12 months. Table 13

Training within the trades

Trade apprentices and trainees refer to those employed in trade occupations under a contract of training.

In the 12 months to December 2009:

- trade occupations accounted for 26.4% of all apprentice and trainee commencements Table 17
- 62.1% of apprentices and trainees who commenced in trades occupations were aged 19 years and younger, compared with 28.3% in non-trade occupations Table 17
- commencements in trade apprenticeships and traineeships were almost exclusively at certificate III (92.8%). Table 18

Duration of training

Duration of training refers to the period of time apprentices and trainees take to complete a contract of training.

For apprentices and trainees completing training at certificate III and above in the 12 months to December 2009:

- more than one-quarter (28.1%) completed their training for trades occupations in two years or less, compared with 19.0% in 1999 Table 22
- 92.5% completed their training for non-trade occupations in two years or less, compared with 96.1% in 1999. Table 23

For more information on concepts and definitions used in this publication, see **Terms** listed on page 21.

Technical notes

Estimation procedure

Figures on apprentice and trainee activity (such as commencements, completions and in-training) are based on the date of effect rather than the date of processing. Due to lags in processing, the most recent figures are estimated (for training activity from the June quarter 2008 to the December quarter 2009). The estimation method involves weighting recently processed numbers based on average reporting lags. As estimates are revised for up to seven quarters, figures for the last two years may differ from those published in earlier or in subsequent reports. Figures in bold are actual numbers. Further details on the estimation methodology can be found at <http://www.ncver.edu.au/publications/2267.html> and further information on the adjustment notes for recent collections can be found in the supporting documents at <http://www.ncver.edu.au/publications/2263.html>.

Seasonal adjustments

Seasonally adjusted data are also presented in this publication. This involves the use of a mathematical model to smooth out fluctuations due to seasonal influences. Seasonally adjusted data are useful to illustrate trends from one quarter to the next, but cannot be further disaggregated. Seasonally adjusted data in this publication were derived from the apprentices and trainees December 2009 quarterly publication, using the Apprentice and Trainee Collection, no.63, March 2010 estimates. These data were adjusted using X-11-ARIMA methodology and were then 7-point Henderson smoothed. The seasonally adjusted data used in figures 1 and 2 in this publication are available in the data section at <http://www.ncver.edu.au/publications/2263.html>

Completion rates

Completion rates are derived for contracts of training for apprentices and trainees. If an individual commenced two or more contracts in the same year, each is counted separately. Completion rates do not take into account contracts which are continuing or have expired with no assigned outcome as at December 2009; therefore, the completion rates may be underestimated. Where completion rates are reported as 'Completion rates to date', this indicates that a substantial proportion of apprentices and trainees are yet to complete training, particularly in trade occupations; therefore, these rates are subject to change. Due to a review of the completion rate methodology over the last 12 months, the completion rate methodology used in this publication differs slightly from the cohort approach used in the 2008 Annual. Further details on the completion rate methodology used in this publication can be found in the supporting documents at <http://www.ncver.edu.au/publications/2263.html>. NCVER has undertaken some additional work on experimental completion and attrition rates based on a 'life tables' methodology, predicting rates for recently commencing apprentices and trainees. Further details on this new methodology and results can be found at <http://www.ncver.edu.au/publications/2265.html>.

Attrition rates

Attrition rates are derived for contracts of training for apprentices and trainees. If an individual commenced two or more contracts in the same year, each is counted separately. The calculation of contract attrition rates is similar to the calculation of contract completion rates. Attrition rates do not take into account contracts which are continuing or have expired with no assigned outcome as at December 2009; therefore, the attrition rates may be underestimated. Where attrition rates are reported as 'Attrition rates to date', this indicates that a substantial proportion of apprentices and trainees are still in training, particularly for trade occupations; therefore, these rates are subject to change. Due to a review of the attrition rate methodology over the last 12 months, the attrition rate methodology used in this publication differs slightly from the cohort approach used in the 2008 Annual. Further details on the attrition rate methodology used in this publication can be found in the supporting documents at <http://www.ncver.edu.au/publications/2263.html>. NCVER has undertaken some additional work on experimental completion and attrition rates based on a 'life tables' methodology, predicting rates for recently commencing apprentices and trainees. Further details on this new methodology and results can be found at <http://www.ncver.edu.au/publications/2265.html>.

Occupation (ANZSCO) group

This publication uses Australian and New Zealand Standard Classification of Occupations (ANZSCO) for reporting. Occupation (ANZSCO) group data has only been collected in the AVETMIS Standard from the September quarter, 2000. For reporting purposes, historical data dating back to the September quarter 1994 have been back-cast based on current ANZSCO usage, training package and ASCO data previously collected. Further detail regarding the methodology can be found at <http://www.ncver.edu.au/publications/2266.html>.

Tables and figures

Table 1 Apprentices and trainees by training contract status,¹ 1999–2009 ('000)

Training contract status	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Commencements	198.7	210.2	224.0	264.6	278.3	257.2	262.1	266.4	275.8	288.7	271.4
Completions	75.2	85.8	94.9	115.1	128.0	137.6	137.0	142.1	146.8	154.0	159.4
In-training	252.3	284.6	319.2	363.0	390.2	387.1	390.9	396.1	405.3	417.5	414.9
Cancellations/withdrawals ²	76.1	85.0	94.0	107.0	126.3	126.5	126.1	126.4	131.2	133.6	122.0

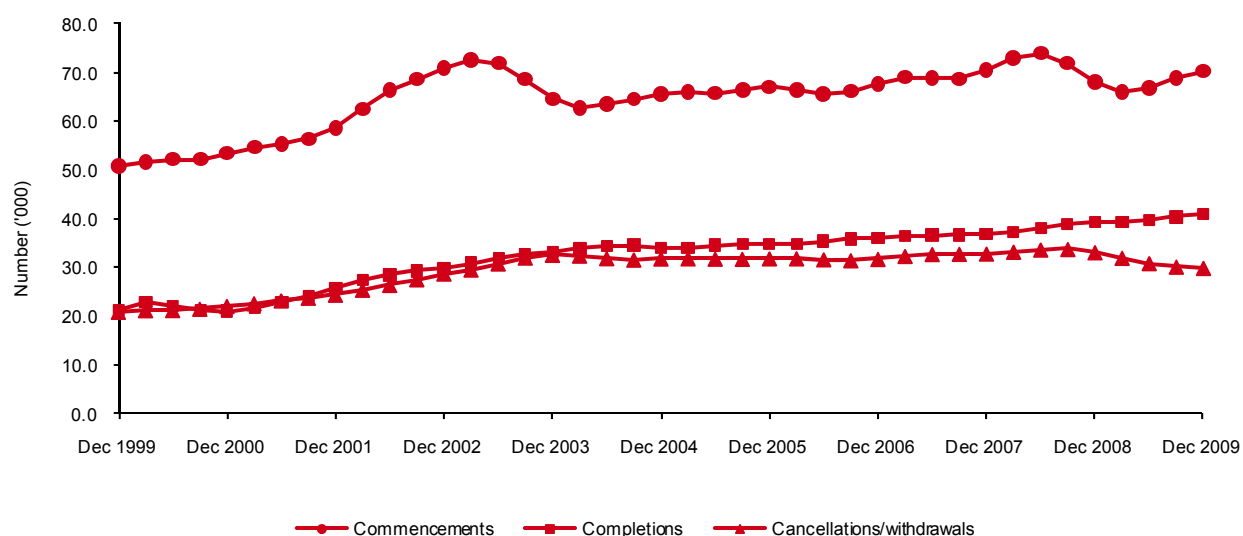
For notes on tables and figures, see page 22.

Table 2 Apprentice and trainee commencements¹ by state/territory, 1999–2009 ('000)

State/territory	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
New South Wales	52.1	59.0	65.3	74.1	79.0	70.0	72.7	76.5	82.0	90.0	84.9
Victoria	57.6	65.2	74.3	92.3	95.5	79.3	79.9	74.9	71.6	75.1	72.6
Queensland	39.4	36.2	41.5	47.2	51.0	51.3	52.7	57.5	63.0	61.0	56.2
South Australia	21.1	24.3	18.0	20.1	20.9	21.5	21.3	20.3	20.8	22.0	20.2
Western Australia	12.3	12.1	11.2	16.4	16.2	19.2	20.5	22.0	23.1	24.9	23.1
Tasmania	9.1	8.0	8.7	8.9	8.6	8.7	7.7	7.6	8.0	8.3	7.1
Northern Territory	1.8	2.0	1.8	2.0	1.9	2.3	2.4	2.3	2.5	2.5	2.5
Australian Capital Territory	5.3	3.4	3.3	3.5	5.2	4.9	4.8	5.4	4.9	4.7	5.0
Australia	198.7	210.2	224.0	264.6	278.3	257.2	262.1	266.4	275.8	288.7	271.4

For notes on tables and figures, see page 22.

Figure 1 Quarterly commencements, completions and cancellations/withdrawals,² seasonally adjusted,³ 1999–2009 ('000)



For notes on tables and figures, see page 22.

Table 3 Apprentice and trainee commencements by selected training characteristics,⁴ 2002–09 ('000)

		2002	2003	2004	2005	2006	2007	2008	2009
Age	19 years and under	99.4	104.4	106.4	108.3	109.6	114.6	117.4	100.9
	20 to 24 years	49.2	48.5	45.0	45.7	46.3	48.2	48.6	45.5
	25 to 44 years	85.4	90.4	76.3	77.1	78.1	80.4	86.1	85.7
	45 years and over	30.6	35.0	29.5	31.0	32.4	32.7	36.6	39.3
Sex	Male	149.6	156.2	152.3	154.5	156.5	162.0	166.4	152.4
	Female	114.9	122.0	104.9	107.5	109.9	113.8	122.3	119.1
AQF qualification level	Certificate I or II	73.5	64.6	51.4	48.1	44.5	42.2	42.5	36.2
	Certificate III	170.1	188.5	178.0	185.1	187.4	196.0	199.3	176.8
	Certificate IV	20.4	24.3	27.1	27.9	33.4	35.1	43.2	54.2
	Diploma/advanced diploma	0.6	0.8	0.7	0.9	1.1	2.6	3.8	4.2
Full-time status	Full-time	190.6	200.9	190.9	193.8	197.2	203.5	206.5	187.4
	Part-time	73.8	77.4	66.4	68.2	69.3	72.3	82.2	84.0
Existing worker	Existing worker	71.1	80.2	66.0	67.2	69.1	71.0	78.0	88.4
	Newly commencing worker	193.2	197.9	191.1	194.9	197.3	204.9	210.7	183.0
School-based status	School-based	6.1	9.5	13.1	15.8	17.0	19.2	20.9	16.7
	Not school-based	258.5	268.8	244.1	246.2	249.4	256.6	267.7	254.7
Training package coverage	Training package	250.4	266.1	248.4	255.7	261.3	270.8	284.1	269.2
	Non-training package	14.2	12.2	8.9	6.3	5.1	5.1	4.6	2.3
Total⁵		264.6	278.3	257.2	262.1	266.4	275.8	288.7	271.4

For notes on tables and figures, see page 22.

Table 4 Apprentice and trainee commencements in trade occupations,⁶ 1999–2009 ('000)

Occupation (ANZSCO) group	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
31 Engineering, ICT and science technicians	2.3	2.2	2.5	6.9	5.7	2.2	2.5	2.6	3.0	3.4	3.7
32 Automotive and engineering trades workers	14.9	14.0	13.4	14.7	16.5	19.1	20.6	21.1	22.4	22.4	16.8
33 Construction trades workers	12.6	11.5	9.6	12.9	15.2	17.9	18.3	19.4	22.5	22.3	17.2
34 Electrotechnology and telecommunications trades workers	6.1	5.4	5.2	5.9	6.8	8.8	9.8	11.0	11.8	12.0	9.5
35 Food trades workers	7.7	7.8	8.1	8.3	8.7	9.1	8.7	9.3	9.8	9.7	9.8
36 Skilled animal and horticultural workers	2.4	2.9	3.3	3.4	3.4	3.7	4.0	3.7	3.8	4.7	3.9
39 Other technicians and trades workers	8.9	8.2	7.9	8.3	9.1	9.8	9.9	9.6	10.9	11.8	10.6
391 Hairdressers	4.5	4.1	4.0	4.0	4.5	5.2	5.5	5.4	6.0	5.7	5.4
392 Printing trades workers	0.8	0.9	0.7	0.7	0.8	0.7	0.7	0.7	0.6	0.7	0.6
393 Textile, clothing and footwear trades workers	0.7	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.1
394 Wood trades workers	2.1	1.8	1.6	2.0	2.1	2.0	2.0	2.0	2.2	2.1	1.5
399 Miscellaneous technicians and trades workers	0.9	1.0	1.2	1.1	1.3	1.5	1.4	1.3	1.8	3.1	3.0
Total⁵	54.9	52.1	50.1	60.3	65.4	70.8	73.7	76.7	84.1	86.3	71.5

For notes on tables and figures, see page 22.

Table 5 Apprentice and trainee commencements in non-trade occupations,⁷ 1999–2009 ('000)

Occupation (ANZSCO) group	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Managers	2.5	2.1	1.9	2.2	2.3	2.3	2.6	2.9	4.6	5.7	6.3
11 Chief executives, general managers and legislators	0.1	0.1	0.1	0.1	0.0						
12 Farmers and farm managers	1.1	0.8	0.9	0.9	0.9	1.1	1.2	0.9	0.9	1.0	1.1
13 Specialist managers	1.0	0.9	0.6	0.3	0.6	1.1	1.3	1.7	3.2	4.2	4.6
14 Hospitality, retail and service managers	0.2	0.3	0.4	0.9	0.7	0.1	0.1	0.3	0.5	0.5	0.7
Professionals	1.7	1.6	1.7	1.5	1.2	1.2	1.5	4.4	5.2	5.3	7.6
21 Arts and media professionals	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0
22 Business, human resource and marketing professionals	0.3	0.1	0.1	0.2	0.4	0.2	0.7	3.4	4.2	4.4	6.8
23 Design, engineering, science and transport professionals	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.4
24 Education professionals	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.5	0.4
25 Health professionals	0.7	0.8	1.0	0.8	0.4	0.4	0.2	0.3	0.3	0.0	0.0
26 ICT professionals	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Legal, social and welfare professionals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Community and personal service workers	30.0	30.9	31.7	37.1	38.9	38.1	38.5	38.7	41.1	43.0	43.3
41 Health and welfare support workers	0.3	0.2	0.4	0.8	1.4	2.5	2.4	3.1	3.2	4.4	4.6
42 Carers and aides	8.2	9.1	10.3	12.9	14.2	14.0	14.0	13.9	14.0	12.9	12.2
43 Hospitality workers	13.1	13.7	14.3	15.9	15.7	14.5	14.6	14.6	16.7	18.0	19.7
44 Protective service workers	7.6	6.5	5.3	5.4	5.0	3.8	3.9	3.0	2.9	3.0	1.0
45 Sports and personal service workers	0.9	1.4	1.3	2.2	2.7	3.3	3.7	4.2	4.4	4.8	5.8
Clerical and administrative workers	28.6	35.7	39.7	49.0	58.1	45.2	47.0	48.6	49.2	54.4	56.4
51 Office managers and program administrators	2.9	4.8	2.9	8.8	12.5	14.6	15.1	15.8	16.3	19.8	24.9
52 Personal assistants and secretaries											
53 General clerical workers	22.2	19.6	21.8	24.1	29.5	16.8	16.0	15.4	15.0	14.5	11.7
54 Inquiry clerks and receptionists	1.4	7.7	9.7	9.6	9.5	7.5	7.9	8.7	9.3	10.5	9.6
55 Numerical clerks	0.3	2.0	3.4	4.7	4.1	3.0	4.1	3.9	3.6	4.6	5.3
56 Clerical and office support workers	1.1	0.8	0.5	0.1							
59 Other clerical and administrative workers	0.7	0.8	1.4	1.7	2.5	3.2	3.8	4.8	4.9	5.1	4.9
Sales workers	38.0	37.3	43.8	50.4	48.4	39.7	39.9	40.2	38.8	43.4	40.2
61 Sales representatives and agents	6.2	3.8	3.0	2.5	2.2	2.1	2.4	2.3	1.7	1.7	3.2
62 Sales assistants and salespersons	30.2	33.0	40.8	47.8	46.0	37.6	37.5	37.8	37.1	41.7	37.1
63 Sales support workers	1.6	0.5	0.1	0.1	0.1	0.0	0.0	0.0			0.0
Machinery operators and drivers	15.7	23.6	26.0	32.4	30.6	31.2	30.0	28.1	27.4	26.2	24.9
71 Machine and stationary plant operators	1.5	2.7	3.6	4.5	6.4	11.3	9.6	7.3	7.2	6.4	6.5
72 Mobile plant operators	1.0	1.9	2.6	2.8	1.4	1.3	1.8	1.9	2.2	2.4	2.0
73 Road and rail drivers	8.1	10.4	9.0	13.3	9.8	8.8	8.3	8.4	7.7	8.6	8.0
74 Storepersons	5.1	8.5	10.8	11.8	13.0	9.9	10.4	10.4	10.3	8.8	8.5
Labourers	27.2	26.9	29.0	31.6	33.4	28.7	28.8	26.9	25.5	24.4	21.1
81 Cleaners and laundry workers	6.9	5.2	7.2	6.9	7.2	5.7	6.3	6.1	5.6	5.0	5.1
82 Construction and mining labourers	0.9	0.9	1.0	1.2	2.3	1.1	1.1	1.2	1.5	1.8	1.5
83 Factory process workers	12.2	14.1	12.9	14.8	15.4	13.7	13.2	12.6	10.9	10.7	8.8
84 Farm, forestry and garden workers	3.3	3.6	4.2	4.6	4.3	3.9	3.7	3.1	3.1	3.0	3.0
85 Food preparation assistants	0.8	0.7	0.6	0.6	0.7	0.7	1.0	0.5	0.5	0.4	0.4
89 Other labourers	3.1	2.4	3.1	3.5	3.2	3.2	3.1	3.0	3.6	3.4	2.4
Total⁵	143.8	158.1	173.9	204.2	212.9	186.4	188.3	189.8	191.8	202.4	199.9

Blanks represent a true zero figure, with no contracts reported in these categories.

For notes on tables and figures, see page 22.

Training rates

Table 6 Apprentice and trainee training rates,⁸ 1999–2009

Year	Apprentices and trainees in-training ⁹ (⁰⁰⁰)	Employed persons (⁰⁰⁰)	Apprentice and trainee training rate (%)
1999	252.3	8992.7	2.8
2000	284.5	9167.2	3.1
2001	318.9	9253.7	3.4
2002	362.7	9527.7	3.8
2003	389.7	9669.8	4.0
2004	386.7	9916.6	3.9
2005	390.5	10200.6	3.8
2006	395.5	10532.8	3.8
2007	404.9	10796.8	3.8
2008	417.0	10932.8	3.8
2009	414.6	11047.1	3.8

For notes on tables and figures, see page 22.

Source for employed persons: ABS, *Labour force, Australia, Detailed*, electronic delivery, March 2010, cat.no.6291.0.55.001.

Table 7 Apprentice and trainee training rates by selected characteristics, 1999–2009 (%)

Year	Total apprentices and trainees as a proportion of total employment ⁸	Full-time apprentices and trainees as a proportion of full-time employment ⁸	Trade apprentices and trainees as a proportion of trade employment ^{10,11}	15 to 19-year-old apprentices and trainees as a proportion of employment for 15 to 19-year-olds ⁹
1999	2.8	3.3	9.2	13.0
2000	3.1	3.5	9.5	13.4
2001	3.4	3.8	9.5	14.1
2002	3.8	4.1	10.1	14.7
2003	4.0	4.3	10.0	15.2
2004	3.9	4.2	10.7	15.8
2005	3.8	4.2	11.3	16.6
2006	3.8	4.2	11.6	16.4
2007	3.8	4.2	12.0	16.5
2008	3.8	4.2	12.2	17.2
2009	3.8	4.1	12.1	16.3

For notes on tables and figures, see page 22.

Sources for employed persons: ABS, *Labour force, Australia, Detailed*, electronic delivery, March 2010, cat.no.6291.0.55.001; ABS, *Labour force, Australia, Detailed, Quarterly, February 2010*, cat.no.6291.0.55.003.

Table 8 Apprentice and trainee training rates,¹¹ occupation by sex and age group,¹² 2009 (%)

Occupation (ANZSCO) group	Male				Female				Total			
	15–19	20–24	25–44	45+	15–19	20–24	25–44	45+	15–19	20–24	25–44	45+
Managers	12.2	1.3	0.3	0.1	13.6	5.6	1.1	0.4	12.9	3.4	0.6	0.2
Professionals	3.4	0.7	0.6	0.5	1.4	0.3	0.2	0.2	2.3	0.5	0.4	0.4
Technicians and trades workers	79.4	35.5	4.7	0.8	75.9	19.8	4.6	3.3	78.9	33.0	4.7	1.2
Community and personal service workers	14.5	5.7	3.3	2.1	12.3	5.9	4.0	3.1	12.9	5.9	3.8	2.8
Clerical and administrative workers	16.8	8.1	7.2	3.5	17.9	5.5	2.9	1.6	17.6	6.2	4.0	2.1
Sales workers	8.7	5.9	3.2	1.2	6.9	5.0	3.4	1.7	7.4	5.3	3.3	1.5
Machinery operators and drivers	7.0	6.5	5.8	3.6	3.1	6.8	8.5	5.5	6.7	6.5	6.0	3.8
Labourers	3.2	2.2	1.9	1.0	1.5	2.0	1.9	1.5	2.7	2.2	1.9	1.2
All occupations	25.2	13.8	3.0	1.2	11.1	5.5	2.1	1.4	18.0	9.8	2.6	1.3

For notes on tables and figures, see page 22.

Source for employed persons: ABS, *Labour force, Australia, Detailed, Quarterly, February 2010*, cat.no.6291.0.55.003.

Table 9 **Apprentice and trainee training rates¹¹ in selected trade occupations,⁶ 1999–2009**

Year	Occupation (ANZSCO) group										
	Engineering, ICT and science technicians	Automotive and engineering	Construction trades workers	Electro-technology and telecommunications trades workers	Food trades workers	Skilled animal and horticultural workers	Hair-dressers	Printing trades workers	Textile, clothing and footwear trades workers	Wood trades workers	Total trades ⁶
Apprentices and trainees in-training⁹ ('000)											
1999	3.3	40.9	27.6	15.8	16.2	4.8	9.8	2.2	0.9	4.5	127.6
2000	3.2	39.9	29.2	15.9	16.4	5.4	10.0	2.2	0.9	4.5	129.5
2001	3.5	38.8	29.1	16.0	16.8	6.0	10.1	2.1	0.7	4.4	129.6
2002	6.9	39.6	31.6	16.7	17.3	6.2	10.4	2.1	0.8	4.6	138.5
2003	4.1	41.8	35.2	18.0	17.7	6.1	10.9	1.9	0.8	4.6	143.7
2004	3.4	45.8	40.5	21.3	18.1	6.1	11.9	1.8	0.6	4.7	157.1
2005	3.3	50.5	45.6	25.4	18.5	6.4	12.4	1.8	0.6	4.9	172.2
2006	3.6	52.9	49.5	29.7	18.7	6.3	12.8	1.8	0.5	4.9	183.4
2007	3.9	55.3	53.3	33.1	18.8	6.7	13.2	1.7	0.4	5.1	194.6
2008	4.7	56.0	55.0	34.8	18.7	7.5	12.7	1.7	0.3	4.9	200.7
2009	5.0	51.1	51.4	32.6	18.7	7.3	12.1	1.6	0.3	4.4	189.4
Employed persons ('000)											
1999	166.2	325.4	290.1	185.4	130.1	93.6	52.9	37.1	22.1	39.3	1393.9
2000	155.5	333.4	289.7	170.7	131.1	83.6	44.0	42.0	26.4	35.6	1364.7
2001	166.3	345.3	289.3	159.9	132.6	87.3	47.5	25.8	21.3	37.9	1364.2
2002	169.1	328.4	291.5	187.3	116.9	91.4	48.0	35.3	22.5	37.8	1376.5
2003	175.7	352.1	303.5	183.8	134.3	99.2	45.9	33.4	18.9	34.4	1431.6
2004	189.1	333.1	331.2	192.1	131.9	98.1	50.1	28.2	19.4	35.2	1474.5
2005	195.7	342.0	345.5	192.2	132.8	113.9	53.6	26.5	20.1	38.9	1523.4
2006	216.7	345.0	357.1	208.6	135.7	113.0	56.9	27.3	22.4	29.3	1582.5
2007	225.7	361.3	351.5	211.9	151.8	114.6	63.8	28.6	17.6	33.6	1624.5
2008	221.0	369.0	375.3	216.6	148.9	108.4	60.1	26.3	18.2	33.1	1642.9
2009	216.5	345.4	343.5	206.1	144.6	108.1	56.4	26.5	15.4	30.4	1560.1
Training rates (%)											
1999	2.0	12.6	9.5	8.5	12.5	5.1	18.5	6.0	4.1	11.5	9.2
2000	2.1	12.0	10.1	9.3	12.5	6.5	22.8	5.3	3.2	12.7	9.5
2001	2.1	11.2	10.1	10.0	12.7	6.9	21.3	8.2	3.4	11.5	9.5
2002	4.1	12.1	10.8	8.9	14.8	6.8	21.7	5.8	3.6	12.2	10.1
2003	2.3	11.9	11.6	9.8	13.2	6.2	23.6	5.8	4.1	13.3	10.0
2004	1.8	13.7	12.2	11.1	13.8	6.2	23.7	6.4	3.0	13.4	10.7
2005	1.7	14.8	13.2	13.2	13.9	5.6	23.1	6.8	2.8	12.7	11.3
2006	1.7	15.3	13.9	14.2	13.8	5.6	22.5	6.5	2.3	16.8	11.6
2007	1.7	15.3	15.2	15.6	12.4	5.8	20.7	5.9	2.5	15.0	12.0
2008	2.1	15.2	14.7	16.1	12.5	7.0	21.2	6.3	1.8	14.7	12.2
2009	2.3	14.8	15.0	15.8	12.9	6.8	21.5	5.9	1.9	14.3	12.1

For notes on tables and figures, see page 22.

Source for employed persons: ABS, *Labour force, Australia, Detailed, Quarterly*, February 2010, cat.no.6291.0.55.003.

Completion and attrition rates

Table 10 Apprentice and trainee completion rates¹³ in trade occupations,⁶ for contracts commencing 2004–08¹⁴

Occupation (ANZSCO) group	2004	2005	2006 ^{2,14,15}				2007 ^{2,14,15}				2008 ^{2,14,15}			
	Completion rates	Completion rates	Completion rates to date	Attrition rates to date	Continuing or outcome not known	Number of contracts	Completion rates to date	Attrition rates to date	Continuing or outcome not known	Number of contracts	Completion rates to date	Attrition rates to date	Continuing or outcome not known	Number of contracts
	%	%	%	%	%	('000)	%	%	%	('000)	%	%	%	('000)
31 Engineering, ICT and science technicians	57.7	60.8	53.7	35.2	11.1	2.7	49.6	32.4	18.0	3.1	32.8	27.9	39.3	3.5
32 Automotive and engineering trades workers	51.9	51.3	25.7	45.1	29.2	24.4	11.7	43.1	45.2	26.2	6.4	35.2	58.4	26.8
33 Construction trades workers	44.9	45.3	25.9	48.9	25.2	24.6	12.0	47.8	40.2	28.4	5.8	40.5	53.7	28.8
34 Electrotechnology and telecommunications trades workers	56.7	53.6	22.3	37.4	40.3	13.0	10.6	33.6	55.8	14.2	5.5	27.0	67.5	14.3
35 Food trades workers	28.0	27.7	22.2	65.9	11.9	13.1	14.6	63.8	21.6	14.0	9.3	54.6	36.1	13.9
36 Skilled animal and horticultural workers	49.1	48.3	36.7	44.9	18.4	4.0	27.3	44.4	28.3	4.2	17.4	37.2	45.4	5.1
39 Other technicians and trade workers	41.9	41.3	29.3	54.0	16.7	12.7	20.6	51.6	27.8	14.2	12.6	42.7	44.7	15.2
391 Hairdressers	37.5	36.5	29.0	59.2	11.8	8.0	18.6	56.6	24.8	8.6	9.9	49.6	40.5	8.4
392 Printing trades workers	57.4	54.1	31.2	36.5	32.3	0.7	19.3	31.8	48.9	0.7	11.3	28.6	60.1	0.7
393 Textile, clothing and footwear trades workers	46.0	46.5	41.0	48.6	10.4	0.3	28.8	51.3	19.9	0.2	6.6	35.2	58.2	0.2
394 Wood trades workers	45.7	45.3	19.8	53.3	26.9	2.3	9.1	53.1	37.8	2.6	5.1	44.9	50.0	2.5
399 Miscellaneous technicians and trades workers	48.4	52.2	42.7	36.1	21.2	1.4	44.2	35.3	20.5	2.0	25.5	27.3	47.2	3.4
Total	45.8	45.6	26.5	48.8	24.7	94.7	15.0	46.7	38.3	104.3	8.7	39.0	52.3	107.7

For notes on tables and figures, see page 22.

Table 11 Apprentice and trainee completion rates¹³ in non-trade occupations,⁷ for contracts commencing 2004–08¹⁴

Occupation (ANZSCO) group	2004	2005	2006	2007 ¹⁴	2008 ^{2,14,15}			
	Completion rates	Completion rates	Completion rates	Completion rates to date	Completion rates to date	Attrition rates to date	Continuing or outcome not known	Number of contracts
	%	%	%	%	%	%	%	'000
Managers	48.0	50.8	50.5	44.9	26.9	30.2	42.9	6.0
11 Chief executives, general managers and legislators								
12 Farmers and farm managers	56.8	55.4	55.4	52.5	34.6	32.7	32.7	1.1
13 Specialist managers	40.5	49.9	48.0	44.1	23.3	31.2	45.5	4.4
14 Hospitality, retail and service managers	33.9	17.3	49.7	35.0	40.9	17.2	41.9	0.5
Professionals	59.8	55.9	58.9	52.8	33.3	22.5	44.2	5.5
21 Arts and media professionals		100.0	60.0	50.0	20.0	0.0	80.0	0.0
22 Business, human resource and marketing	55.4	53.2	61.1	53.1	31.2	23.0	45.8	4.5
23 Design, engineering, science and transport	60.7	55.6	44.1	44.7	45.2	21.3	33.5	0.4
24 Education professionals	70.0	73.1	62.0	59.0	44.9	17.1	38.0	0.5
25 Health professionals	54.8	46.2	42.4	46.0	22.7	38.6	38.7	0.0
26 ICT professionals	48.3	52.0	54.5	25.0	25.0	0.0	75.0	0.0
27 Legal, social and welfare professionals	60.0	100.0	50.0	100.0	35.7	35.7	28.6	0.0
Community and personal service workers	54.7	55.3	54.7	53.4	41.6	33.8	24.6	44.9
41 Health and welfare support workers	60.7	60.1	58.1	55.1	28.8	23.6	47.6	4.5
42 Carers and aides	65.8	64.7	63.5	60.7	49.4	29.0	21.6	13.4
43 Hospitality workers	43.4	44.5	45.3	45.2	37.3	40.3	22.4	18.9
44 Protective service workers	60.1	63.2	62.3	65.4	48.3	27.3	24.4	3.1
45 Sports and personal service workers	47.2	51.4	50.6	52.3	44.4	35.5	20.1	5.0
Clerical and administrative workers	56.2	56.5	55.6	53.8	41.9	29.9	28.2	55.7
51 Office managers and program administrators	52.4	52.1	54.5	52.2	33.6	22.7	43.7	20.1
52 Personal assistants and secretaries								
53 General clerical workers	61.0	62.3	60.9	60.9	54.6	33.2	12.2	15.0
54 Inquiry clerks and receptionists	53.9	51.5	47.7	45.2	41.2	42.4	16.4	10.7
55 Numerical clerks	51.3	58.6	54.5	52.7	46.4	26.7	26.9	4.6
56 Clerical and office support workers								
59 Other clerical and administrative workers	57.5	57.3	56.6	54.1	34.6	25.8	39.6	5.1
Sales workers	43.2	43.6	43.6	44.8	38.0	37.5	24.5	45.1
61 Sales representatives and agents	54.8	53.0	45.5	45.3	39.5	37.2	23.3	1.8
62 Sales assistants and salespersons	42.6	43.0	43.5	44.8	38.0	37.5	24.5	43.4
63 Sales support workers	20.8	37.5	7.4					
Machinery operators and drivers	57.0	56.1	55.9	55.2	29.9	28.3	41.8	27.1
71 Machine and stationary plant operators	57.1	54.2	56.2	55.0	35.2	26.4	38.4	6.6
72 Mobile plant operators	57.8	55.0	54.7	47.3	21.0	27.4	51.6	2.4
73 Road and rail drivers	57.1	56.6	54.8	52.8	24.7	28.6	46.7	9.0
74 Storepersons	56.7	57.7	57.0	58.9	33.7	29.6	36.7	9.1
Labourers	47.7	48.5	49.5	49.7	38.9	41.6	19.5	25.2
81 Cleaners and laundry workers	58.2	57.9	61.1	59.3	42.7	31.7	25.6	5.2
82 Construction and mining labourers	46.9	51.7	46.1	47.4	34.0	41.9	24.1	1.8
83 Factory process workers	43.5	43.7	46.0	45.4	37.0	47.4	15.6	11.1
84 Farm, forestry and garden workers	48.6	48.9	51.5	52.4	44.9	38.5	16.6	3.1
85 Food preparation assistants	31.3	48.5	28.7	35.8	26.1	58.0	15.9	0.4
89 Other labourers	49.0	48.9	45.2	49.4	37.9	37.4	24.7	3.4
Total	51.8	52.1	52.0	51.3	38.4	33.4	28.2	209.5

Blanks represent a true zero figure, with no contracts reported in these categories.
For notes on tables and figures, see page 22.

Table 12 Apprentice and trainee attrition rates^{2,15} by occupation and time of withdrawal, for contracts commencing in 2004 (%)

Occupation (ANZSCO) group	Attrition rates (%), withdrawing within:						
	Same quarter	1 quarter	2 quarters	1 year	2 years	3 years	More than 3 years
Managers	3.5	11.5	18.9	29.3	39.0	40.5	40.9
11 Chief executives, general managers and legislators							
12 Farmers and farm managers	2.7	11.5	19.1	28.7	35.6	36.7	36.9
13 Specialist managers	4.2	11.5	19.1	30.0	41.8	43.5	44.2
14 Hospitality, retail and service managers	3.6	10.7	15.2	28.6	45.5	48.2	48.2
Professionals	2.9	10.1	14.9	22.8	29.8	31.9	32.3
21 Arts and media professionals							
22 Business, human resource and marketing professionals	4.6	13.3	17.4	24.1	28.2	28.7	28.7
23 Design, engineering, science and transport professionals	1.5	8.4	10.9	20.4	27.6	32.0	33.5
24 Education professionals	1.3	6.1	9.1	17.2	24.9	24.9	24.9
25 Health professionals	4.5	12.6	20.5	27.9	35.0	38.1	38.1
26 ICT professionals	0.0	10.3	13.8	20.7	34.5	34.5	34.5
27 Legal, social and welfare professionals	0.0	0.0	20.0	20.0	40.0	40.0	40.0
Technicians and trades workers	3.8	12.2	19.0	29.7	42.0	47.7	49.4
31 Engineering, ICT and science technicians	4.8	12.1	18.3	26.6	32.5	33.6	34.2
32 Automotive and engineering	3.0	9.8	15.7	24.8	36.6	42.7	44.9
33 Construction trades workers	4.1	12.5	18.9	29.2	41.9	48.2	49.9
34 Electrotechnology and telecommunications trades workers	2.2	6.5	10.5	18.4	28.9	35.1	38.1
35 Food trades workers	5.2	17.6	28.1	44.7	59.8	65.0	66.1
36 Skilled animal and horticultural workers	4.3	12.8	20.0	29.5	39.2	42.4	43.6
39 Other technicians and trades workers	4.6	15.3	23.1	34.3	47.5	52.7	53.9
391 Hairdressers	5.1	17.6	26.5	39.2	53.2	58.3	59.3
392 Printing trades workers	3.7	11.3	15.8	23.0	31.5	35.1	36.6
393 Textile, clothing and footwear trades workers	4.0	15.4	20.7	31.8	43.5	45.4	45.4
394 Wood trades workers	3.8	12.7	19.5	29.2	41.8	48.1	50.0
399 Miscellaneous	3.7	10.1	16.1	24.4	37.9	43.2	44.2
Community and personal service workers	5.1	15.3	23.8	33.1	38.5	39.5	39.7
41 Health and welfare support workers	2.5	7.9	13.0	20.7	28.1	30.7	31.3
42 Carers and aides	3.7	11.8	17.9	24.9	29.2	29.9	30.1
43 Hospitality workers	6.5	20.2	31.7	43.4	49.8	50.8	50.9
44 Protective service workers	6.6	15.1	21.9	28.4	32.0	32.5	32.5
45 Sports and personal service workers	4.9	14.5	24.0	36.3	43.3	44.7	45.2
Clerical and administrative workers	4.5	13.5	21.2	29.7	35.5	36.1	36.3
51 Office managers and program administrators	3.8	10.8	17.3	25.8	34.1	34.8	34.9
52 Personal assistants and secretaries							
53 General clerical workers	5.1	15.1	23.0	30.8	34.0	34.3	34.4
54 Inquiry clerks and receptionists	5.8	17.8	27.5	37.0	41.7	41.9	41.9
55 Numerical clerks	3.4	11.8	20.0	30.2	39.1	42.2	42.4
56 Clerical and office support workers							
59 Other clerical and administrative workers	2.7	9.2	15.6	23.4	31.9	33.2	33.5
Sales workers	5.3	17.4	28.3	39.9	47.5	48.8	48.9
61 Sales representatives and agents	5.3	17.2	25.8	33.0	36.3	36.6	36.6
62 Sales assistants and salespersons	5.3	17.4	28.4	40.3	48.1	49.4	49.6
63 Sales support workers	0.0	12.5	16.7	50.0	70.8	75.0	79.2
Machinery operators and drivers	4.0	12.2	19.3	28.4	36.2	37.1	37.2
71 Machine and stationary plant operators	4.1	12.2	18.9	27.8	36.6	38.1	38.2
72 Mobile plant operators	1.8	8.3	13.7	22.5	31.9	34.8	34.9
73 Road and rail drivers	4.8	12.2	19.1	28.4	36.0	36.6	36.7
74 Storepersons	3.5	12.8	20.7	29.8	36.5	36.8	36.8
Labourers	7.9	20.3	29.8	40.2	45.5	46.5	46.6
81 Cleaners and laundry workers	5.9	16.6	24.1	31.2	35.8	36.6	36.8
82 Construction and mining labourers	5.7	17.7	29.4	40.4	45.6	46.1	46.2
83 Factory process workers	10.5	24.6	34.0	44.1	49.6	50.9	51.0
84 Farm, forestry and garden workers	5.3	15.6	26.1	38.7	43.8	44.3	44.5
85 Food preparation assistants	8.0	24.2	35.5	53.1	59.2	59.6	59.6
89 Other labourers	4.5	14.1	24.1	37.9	44.3	44.8	44.9
All occupations	4.8	14.5	22.6	32.6	40.9	43.3	43.9

Blanks represent a true zero figure, with no contracts reported in these categories.

For notes on tables and figures, see page 22.

Table 13 Apprentice and trainee attrition rates^{2,15} by occupation within 12 months of commencement for contracts commencing 2001–08¹⁶ (%)

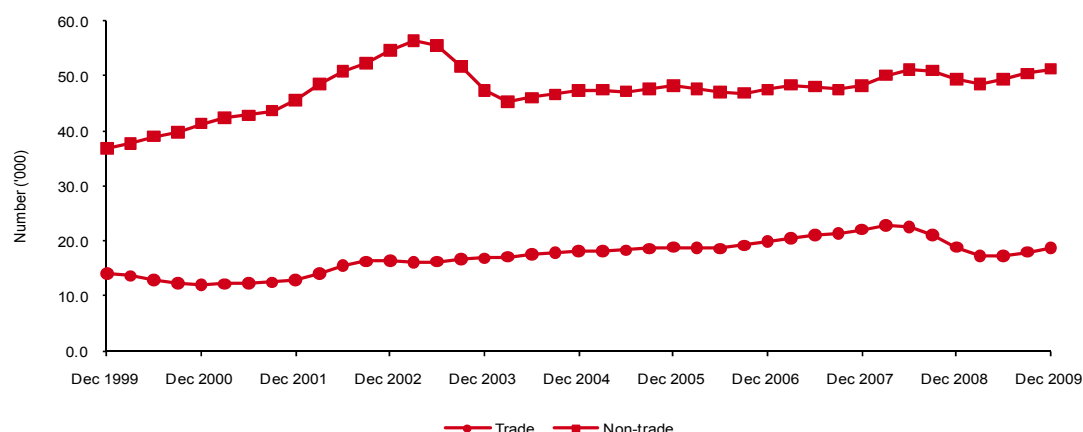
Occupation (ANZSCO) group	Attrition rates within 12 months (%), for contracts commencing in:							
	2001	2002	2003	2004	2005	2006	2007	2008 ¹⁶
Managers	27.8	27.0	27.1	29.3	29.4	27.8	26.0	26.4
11 Chief executives, general managers and legislators	41.3	44.2	0.0					
12 Farmers and farm managers	30.3	29.9	26.6	28.7	32.3	31.3	28.3	30.6
13 Specialist managers	25.3	30.5	30.8	30.0	27.4	28.6	26.2	27.0
14 Hospitality, retail and service managers	21.8	21.0	24.7	28.6	23.3	13.1	19.5	13.7
Professionals	28.6	27.5	25.4	22.8	22.6	22.2	20.2	19.3
21 Arts and media professionals	0.0	26.7	42.9		0.0	40.0	12.5	0.0
22 Business, human resource and marketing professionals	28.0	21.3	22.1	24.1	18.3	20.5	19.9	19.6
23 Design, engineering, science and transport professionals	29.8	36.4	21.1	20.4	31.7	24.9	22.5	19.2
24 Education professionals	24.3	14.4	19.9	17.2	17.4	24.2	17.5	15.9
25 Health professionals	29.8	30.4	28.8	27.9	29.5	32.9	27.5	34.1
26 ICT professionals	25.9	32.2	34.6	20.7	28.0	18.2	25.0	0.0
27 Legal, social and welfare professionals	33.3	57.1	50.0	20.0	0.0	50.0	0.0	21.4
Technicians and trades workers	27.8	29.1	31.0	29.7	30.0	30.3	31.6	32.2
31 Engineering, ICT and science technicians	29.3	40.5	56.1	26.6	24.6	25.1	25.0	24.4
32 Automotive and engineering	21.5	21.8	24.8	24.8	25.5	26.0	27.3	28.1
33 Construction trades workers	25.5	25.9	27.1	29.2	29.6	29.4	31.3	33.0
34 Electrotechnology and telecommunications trades workers	17.2	17.6	18.7	18.4	18.5	18.7	19.8	20.9
35 Food trades workers	41.2	42.6	43.4	44.7	45.1	47.0	47.8	48.1
36 Skilled animal and horticultural workers	25.1	27.0	26.7	29.5	31.2	31.9	33.5	32.9
39 Other technicians and trades workers	32.5	31.5	32.2	34.3	35.6	35.7	36.8	35.5
391 Hairdressers	37.7	35.7	36.9	39.2	40.5	39.8	41.0	42.7
392 Printing trades workers	23.6	20.9	20.8	23.0	21.9	25.1	20.8	23.2
393 Textile, clothing and footwear trades workers	28.4	30.1	31.3	31.8	35.2	35.6	36.4	31.3
394 Wood trades workers	27.6	29.5	31.0	29.2	30.4	32.7	35.6	36.6
399 Miscellaneous	23.1	22.1	20.4	24.4	25.3	22.9	25.8	19.7
Community and personal service workers	33.9	34.6	33.4	33.1	32.6	33.4	32.8	31.9
41 Health and welfare support workers	30.8	27.9	25.5	20.7	23.2	22.5	20.1	20.7
42 Carers and aides	26.4	26.5	25.5	24.9	25.4	27.4	27.9	27.0
43 Hospitality workers	39.8	41.2	40.8	43.4	42.5	42.0	41.7	38.5
44 Protective service workers	32.7	35.4	33.7	28.4	26.2	27.8	18.8	26.7
45 Sports and personal service workers	32.7	33.5	35.1	36.3	33.5	35.1	33.0	33.7
Clerical and administrative workers	29.1	29.9	28.2	29.7	30.0	30.5	31.2	28.0
51 Office managers and program administrators	21.5	29.7	27.7	25.8	26.3	25.3	24.8	20.3
52 Personal assistants and secretaries								
53 General clerical workers	28.1	28.0	26.5	30.8	30.7	32.0	32.1	31.8
54 Inquiry clerks and receptionists	37.0	39.5	35.9	37.0	39.8	42.0	44.0	40.5
55 Numerical clerks	22.8	24.9	28.4	30.2	24.4	26.1	29.6	24.8
56 Clerical and office support workers	38.0	22.3						
59 Other clerical and administrative workers	17.5	18.6	20.4	23.4	26.9	25.8	26.8	23.7
Sales workers	39.8	39.2	38.4	39.9	39.2	38.4	38.8	34.3
61 Sales representatives and agents	42.3	38.5	36.0	33.0	31.7	34.5	40.5	36.0
62 Sales assistants and salespersons	39.6	39.3	38.5	40.3	39.6	38.6	38.7	34.3
63 Sales support workers	32.2	30.6	30.4	50.0	25.0	55.6		
Machinery operators and drivers	25.5	25.3	27.4	28.4	29.6	28.7	28.5	26.2
71 Machine and stationary plant operators	29.2	24.8	22.9	27.8	31.2	26.8	26.2	24.8
72 Mobile plant operators	18.5	15.8	21.4	22.5	22.4	29.3	26.7	24.0
73 Road and rail drivers	25.5	25.6	31.2	28.4	29.2	28.9	30.3	26.4
74 Storepersons	26.1	27.5	27.3	29.8	29.8	29.8	29.2	27.5
Labourers	37.4	37.6	37.3	40.2	40.8	39.7	39.7	39.7
81 Cleaners and laundry workers	37.3	34.3	34.0	31.2	31.6	29.0	30.8	30.0
82 Construction and mining labourers	41.3	42.2	39.0	40.4	35.1	40.1	37.6	38.7
83 Factory process workers	40.1	40.6	38.5	44.1	47.1	44.3	45.8	45.8
84 Farm, forestry and garden workers	33.6	36.2	36.7	38.7	37.9	36.7	35.6	37.0
85 Food preparation assistants	50.4	49.4	49.9	53.1	40.0	51.9	49.0	53.4
89 Other labourers	27.5	29.7	34.9	37.9	37.9	40.7	36.7	34.8
All occupations	32.1	32.4	32.3	32.6	32.7	32.5	32.8	31.5

Blanks represent a true zero figure, with no contracts reported in these categories.

For notes on tables and figures, see page 22.

Training within the trades

Figure 2 Quarterly apprentice and trainee commencements by trade and non-trade occupations, ^{6,7} seasonally adjusted, ³ 1999–2009 ('000)



For notes on tables and figures, see page 22.

Table 14 Apprentice and trainee commencements in trade occupations, ⁶ by state/territory and most popular training packages, 2009 ('000)

Training package	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Construction, plumbing & services integrated framework (CPC, BCG, BCF, BCP)	4.0	5.8	3.0	1.2	0.9	0.3	0.1	0.3	15.8
Automotive industry retail, service and repair (AUR)	2.8	2.0	1.9	0.6	1.0	0.2	0.1	0.1	8.8
Electrotechnology (UEE, UTE, UTL)	2.5	2.2	1.6	0.7	0.8	0.2	0.1	0.2	8.3
Metal and engineering (MEM)	1.7	1.5	2.2	0.6	1.3	0.2	0.1	0.0	7.7
Tourism, hospitality and events (SIT, THH, THT)	1.5	1.8	1.4	0.4	0.3	0.3	0.0	0.1	5.9
Hairdressing (WRH)	1.6	1.1	1.3	0.5	0.6	0.1	0.0	0.2	5.4
Amenity horticulture (RTF, RUH)	0.7	0.9	0.4	0.2	0.1	0.1	0.0	0.0	2.4
Australian meat industry (MTM)	0.6	0.4	0.6	0.2	0.2	0.1	0.0	0.0	2.1
Furnishing (LMF)	0.4	0.6	0.4	0.2	0.3	0.1	0.0	0.1	2.1
Food processing industry (FDF)	0.5	0.6	0.4	0.1	0.2	0.1	0.0	0.0	1.9
Health (HLT)	1.0	0.4	0.1	0.0	0.1	0.1	0.0	0.1	1.8
Other training packages	2.0	1.5	2.2	0.6	1.4	0.2	0.2	0.2	8.3
Training package	19.3	18.8	15.6	5.3	7.3	2.0	0.8	1.4	70.5
Non-training package	0.1	0.1	0.1	0.0	0.5	0.2		0.0	1.1
Total	19.4	18.9	15.7	5.3	7.8	2.2	0.8	1.4	71.5

Blanks represent a true zero figure, with no contracts reported in these categories.

For notes on tables and figures, see page 22.

Table 15 Apprentice and trainee commencements in non-trade occupations, ⁷ by state/territory and most popular training packages, 2009 ('000)

Training package	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Business services (BSB, BSA)	18.2	9.8	10.1	4.1	1.7	1.2	0.3	0.5	45.9
Retail services (SIR, WRR, WRP, WRW)	8.9	13.3	7.0	3.4	2.1	1.1	0.2	0.5	36.6
Tourism, hospitality and events (SIT, THH, THT)	7.6	6.8	3.5	0.6	1.3	0.5	0.2	0.7	21.2
Transport and logistics (TLI, TDT)	6.7	4.4	4.3	1.3	2.3	0.2	0.1	0.2	19.5
Community services (CHC)	6.1	4.4	3.1	0.8	2.1	0.4	0.3	0.7	17.7
Manufacturing (MSA, MCM)	3.8	2.5	1.6	0.5	0.7	0.0		0.0	9.2
Financial services (FNS, FNB, FNA)	2.0	0.9	1.3	0.4	0.4	0.2	0.0	0.1	5.2
Australian meat industry (MTM)	1.2	1.1	1.7	0.6	0.4	0.1	0.0	0.0	5.1
Asset maintenance (PRM)	2.0	1.0	1.1	0.3	0.2	0.1	0.0	0.1	4.9
Food processing industry (FDF)	0.9	1.0	0.6	0.4	0.2	0.1			3.2
Health (HLT)	0.6	2.0	0.3	0.1	0.1	0.1	0.0	0.1	3.2
Other training packages	7.3	5.9	5.8	2.3	3.6	0.8	0.4	0.8	26.9
Training package	65.3	53.0	40.4	14.8	15.1	4.9	1.6	3.6	198.7
Non-training package	0.2	0.7	0.1	0.0	0.2	0.0	0.0		1.2
Total	65.4	53.7	40.5	14.8	15.3	4.9	1.6	3.6	199.9

Blanks represent a true zero figure, with no contracts reported in these categories.

For notes on tables and figures, see page 22.

Table 16 Apprentice and trainee commencements, trade and non-trade occupations,^{6,7} by industry skills councils¹⁷ and selected training characteristics, 2009 ('000)

	Trades	Non-trades						
	Technicians and trades workers	Managers	Professionals	Community and personal service workers	Clerical and administrative workers	Sales workers	Machinery operators and drivers	Labourers
Existing worker								
Existing worker	10.9	3.3	6.5	8.8	28.4	11.6	14.6	4.3
Newly commencing worker	60.6	3.1	1.1	34.5	28.0	28.6	10.3	16.8
School-based status								
School-based	4.6	0.1	0.1	3.8	2.2	3.9	0.2	1.8
Not school-based	66.9	6.2	7.5	39.5	54.2	36.3	24.8	19.3
Industry skills councils ¹⁷								
Agri-food	7.8	1.2	0.2	0.0		0.3	0.1	10.7
Community services and health	1.8	3.2	0.0	16.4	1.3	0.0		
Construction and property services	15.8	0.0		0.3	0.1	1.1	0.0	5.6
Electrocomms and energy utilities	9.2		0.0					0.1
ForestWorks	0.0		0.0			0.1	0.2	0.3
Government		0.1	0.0	0.4	0.9		0.6	0.0
Innovation and business	2.8	0.6	0.8	0.0	49.4	1.7	0.0	0.2
Manufacturing	12.1	0.7	6.3			0.0	3.0	1.2
Services	11.6	0.2		25.4	1.9	35.5		0.8
SkillsDMC	0.5			0.0			4.4	0.6
Transport and logistics		0.2	0.0	0.0	2.5		16.6	0.3
No industry skills council ¹⁷	1.1	0.1	0.2	0.7	0.1	0.1	0.0	0.0
Training package	70.5	6.3	7.4	42.6	56.3	40.1	24.9	21.1
Non-training package	1.1	0.1	0.2	0.7	0.1	0.1	0.0	0.0
Total	71.5	6.3	7.6	43.3	56.4	40.2	24.9	21.1

Blanks represent a true zero figure, with no contracts reported in these categories.

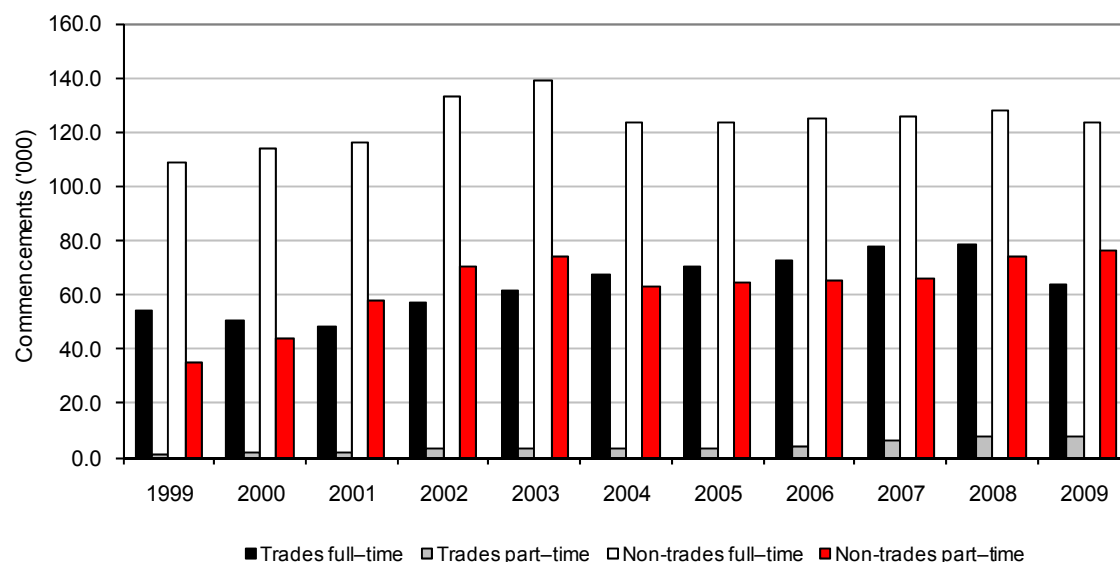
For notes on tables and figures, see page 22.

Table 17 Apprentice and trainee commencements, trade and non-trade occupations,^{6,7} by sex and age group, 2009

	Trades		Non-trades		Total ⁵	
	'000	%	'000	%	'000	%
Male						
19 years and under	37.6	63.4	21.3	22.9	58.9	38.7
20 to 24 years	10.0	16.9	14.5	15.6	24.6	16.1
25 to 29 years	4.0	6.7	11.9	12.8	15.9	10.5
30 to 44 years	6.0	10.1	27.4	29.5	33.4	21.9
45 years and over	1.8	3.0	17.9	19.2	19.6	12.9
Total	59.4	100.0	93.0	100.0	152.4	100.0
Female						
19 years and under	6.8	55.8	35.2	33.0	42.0	35.3
20 to 24 years	1.9	15.5	19.1	17.8	20.9	17.6
25 to 29 years	0.7	6.0	10.3	9.6	11.0	9.3
30 to 44 years	1.6	13.1	23.8	22.3	25.4	21.3
45 years and over	1.2	9.6	18.5	17.3	19.7	16.5
Total	12.2	100.0	106.9	100.0	119.1	100.0
All						
19 years and under	44.4	62.1	56.5	28.3	100.9	37.2
20 to 24 years	11.9	16.7	33.6	16.8	45.5	16.8
25 to 29 years	4.7	6.6	22.2	11.1	26.9	9.9
30 to 44 years	7.6	10.6	51.2	25.6	58.8	21.7
45 years and over	2.9	4.1	36.4	18.2	39.3	14.5
Total⁵	71.5	100.0	199.9	100.0	271.4	100.0

For notes on tables and figures, see page 22.

Figure 3 Apprentice and trainee commencements, trade and non-trade occupations,^{6,7} by full-time status, 1999–2009 ('000)



For notes on tables and figures, see page 22.

Table 18 Apprentice and trainee commencements in trade occupations⁶ by AQF qualification level, 1999–2009

Year	Certificate I or II		Certificate III		Certificate IV or above		Total trades ^{5,6}
	'000	%	'000	%	'000	%	
1999	3.0	5.5	50.5	91.9	1.4	2.5	54.9
2000	2.1	4.0	48.3	92.6	1.8	3.4	52.1
2001	1.4	2.7	47.2	94.2	1.6	3.1	50.1
2002	1.2	2.0	57.2	94.9	1.9	3.1	60.3
2003	1.1	1.7	62.6	95.7	1.7	2.6	65.4
2004	0.7	1.0	68.1	96.2	2.0	2.8	70.8
2005	0.7	0.9	71.3	96.7	1.8	2.4	73.7
2006	0.6	0.8	74.0	96.5	2.1	2.7	76.7
2007	0.9	1.0	80.8	96.1	2.5	2.9	84.1
2008	0.8	0.9	81.9	94.9	3.6	4.2	86.3
2009	0.7	0.9	66.4	92.8	4.5	6.2	71.5

For notes on tables and figures, see page 22.

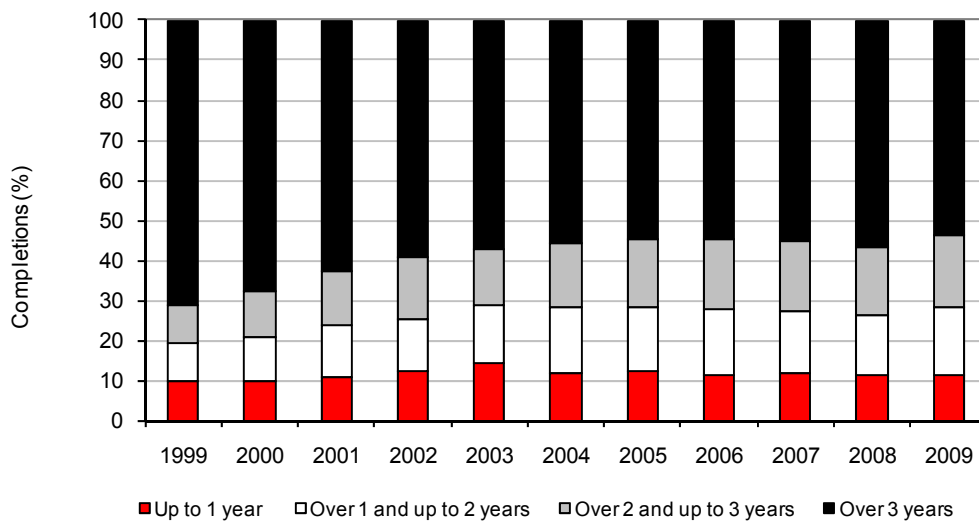
Table 19 Apprentice and trainee commencements in non-trade occupations⁷ by AQF qualification level, 1999–2009

Year	Certificate I or II		Certificate III		Certificate IV or above		Total non-trades ^{5,7}
	'000	%	'000	%	'000	%	
1999	61.9	43.1	75.6	52.6	6.3	4.4	143.8
2000	62.8	39.7	83.4	52.8	11.9	7.5	158.1
2001	65.9	37.9	92.8	53.4	15.1	8.7	173.9
2002	72.3	35.4	112.8	55.3	19.1	9.4	204.2
2003	63.5	29.8	125.9	59.2	23.5	11.0	212.9
2004	50.7	27.2	109.9	58.9	25.9	13.9	186.4
2005	47.5	25.2	113.9	60.5	27.0	14.3	188.3
2006	43.9	23.1	113.4	59.8	32.5	17.1	189.8
2007	41.3	21.5	115.3	60.1	35.2	18.4	191.8
2008	41.7	20.6	117.4	58.0	43.3	21.4	202.4
2009	35.6	17.8	110.4	55.2	54.0	27.0	199.9

For notes on tables and figures, see page 22.

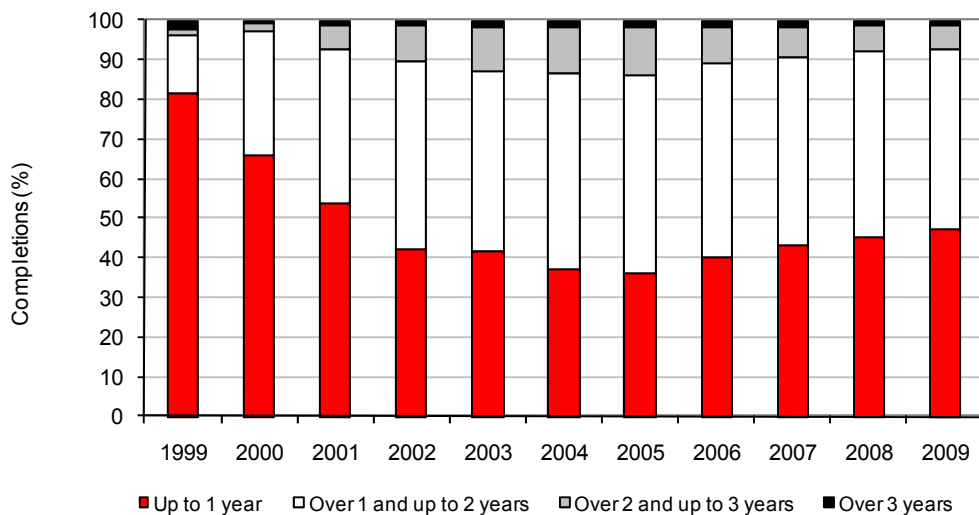
Duration of training

Figure 4 Apprentice and trainee completions in trade occupations⁶ by duration of training, certificate III or above, 1999–2009 (%)



For notes on tables and figures, see page 22.

Figure 5 Apprentice and trainee completions in non-trade occupations⁷ by duration of training, certificate III or above, 1999–2009 (%)



For notes on tables and figures, see page 22.

Table 20 Apprentice and trainee completions in trade occupations,⁶ certificate III or above, by duration of training, 1999–2009

Year	Up to 1 year		Over 1 and up to 2 years		Over 2 and up to 3 years		Over 3 and up to 4 years		Over 4 years		Total trades ^{6,18}
	'000	%	'000	%	'000	%	'000	%	'000	%	
1999	2.4	9.8	2.3	9.2	2.4	9.9	16.2	65.6	1.4	5.5	24.7
2000	2.4	10.0	2.6	10.8	2.7	11.3	15.3	63.1	1.2	4.9	24.3
2001	2.7	10.6	3.3	13.3	3.4	13.5	14.4	57.7	1.2	4.9	25.0
2002	3.5	12.5	3.6	12.8	4.3	15.3	15.0	53.5	1.6	5.9	28.0
2003	4.3	14.1	4.5	14.7	4.3	13.9	15.8	51.1	1.9	6.2	30.9
2004	3.5	11.6	5.0	16.8	4.8	16.1	14.7	49.0	2.0	6.5	30.0
2005	3.7	12.3	4.8	15.8	5.1	17.1	14.7	48.9	1.8	5.9	30.0
2006	4.0	11.5	5.7	16.5	6.0	17.2	17.1	49.3	1.9	5.6	34.7
2007	4.6	11.9	6.0	15.4	6.8	17.4	19.4	49.7	2.2	5.6	39.1
2008	4.9	11.2	6.6	15.3	7.2	16.6	22.2	51.4	2.4	5.5	43.2
2009	5.3	11.4	7.7	16.7	8.3	17.9	22.4	48.5	2.5	5.5	46.2

For notes on tables and figures, see page 22.

Table 21 Apprentice and trainee completions in non-trade occupations,⁷ certificate III or above, by duration of training, 1999–2009

Year	Up to 1 year		Over 1 and up to 2 years		Over 2 and up to 3 years		Over 3 and up to 4 years		Over 4 years		Total non-trades ^{7,18}
	'000	%	'000	%	'000	%	'000	%	'000	%	'000
1999	19.4	81.6	3.4	14.5	0.4	1.5	0.5	2.1	0.1	0.3	23.8
2000	22.1	66.0	10.5	31.3	0.6	1.7	0.3	0.9	0.0	0.1	33.5
2001	20.9	53.9	15.0	38.8	2.4	6.1	0.4	1.0	0.1	0.2	38.8
2002	23.1	41.9	26.3	47.8	5.0	9.1	0.6	1.1	0.0	0.1	55.0
2003	26.4	41.7	28.7	45.3	7.0	11.0	1.2	1.9	0.1	0.1	63.4
2004	29.1	37.0	39.0	49.6	9.1	11.6	1.3	1.6	0.2	0.2	78.7
2005	29.5	36.1	40.9	50.0	9.9	12.1	1.3	1.6	0.1	0.2	81.7
2006	34.0	40.3	41.3	48.9	7.6	9.0	1.4	1.7	0.1	0.1	84.5
2007	37.0	43.1	40.9	47.7	6.5	7.6	1.2	1.4	0.2	0.2	85.8
2008	40.4	45.3	41.6	46.7	6.0	6.7	1.0	1.1	0.1	0.1	89.2
2009	43.0	47.2	41.3	45.3	5.7	6.3	1.0	1.1	0.1	0.1	91.1

For notes on tables and figures, see page 22.

Table 22 Apprentice and trainee completions in selected trade occupations⁶ with a duration of training of two years and under, certificate III or above, 1999–2009 (%)

Year	Occupation (ANZSCO) group										
	Engineering, ICT and science technicians	Automotive and engineering	Construction trades workers	Electro-technology and telecommunications trades workers	Food trades workers	Skilled animal and horticultural workers	Hair-dressers	Printing trades workers	Textile, clothing and footwear trades workers	Wood trades workers	Total trades ^{6,18}
1999	51.0	12.9	16.7	12.3	29.8	25.1	33.6	9.9	18.4	15.2	19.0
2000	72.4	13.1	16.0	12.1	32.0	40.2	33.4	11.7	37.5	15.8	20.8
2001	70.9	16.0	17.9	14.9	37.9	36.2	33.2	10.9	74.2	14.8	23.9
2002	70.4	14.9	18.3	14.5	39.3	45.6	32.0	12.8	46.5	13.3	25.3
2003	88.4	17.2	18.1	13.6	40.6	51.8	34.1	10.5	56.2	15.0	28.8
2004	89.9	17.1	18.6	14.5	40.0	53.8	34.0	15.3	50.2	18.9	28.4
2005	83.8	17.9	19.0	17.2	40.9	55.8	34.0	7.8	40.5	16.6	28.1
2006	82.9	20.4	18.8	16.1	40.4	57.2	35.6	5.6	54.3	14.9	27.9
2007	79.5	18.0	20.6	19.1	38.5	54.3	36.0	11.7	58.0	14.5	27.2
2008	82.4	17.0	20.4	16.6	44.4	50.3	36.7	13.1	51.6	16.5	26.5
2009	82.6	17.9	20.5	16.2	43.9	53.6	34.5	16.2	60.5	15.4	28.1

For notes on tables and figures, see page 22.

Table 23 Apprentice and trainee completions in non-trade occupations⁷ with a duration of training of two years and under, certificate III or above, 1999–2009 (%)

Year	Occupation (ANZSCO) group							Total non-trades ^{7,18}
	Managers	Professionals	Community and personal service workers	Clerical and administrative workers	Sales workers	Machinery operators and drivers	Labourers	
1999	64.9	95.4	96.1	99.7	97.9	97.9	83.4	96.1
2000	77.7	92.0	95.7	99.5	99.1	98.8	93.8	97.3
2001	74.4	80.5	92.0	98.2	96.2	92.3	79.6	92.7
2002	73.2	83.0	91.6	97.3	94.5	78.8	78.9	89.7
2003	80.6	83.8	88.8	95.2	92.1	74.2	77.1	87.0
2004	74.5	82.6	89.6	94.1	90.1	75.1	77.2	86.6
2005	72.0	80.7	89.0	89.3	88.2	80.9	78.8	86.1
2006	79.1	81.5	89.7	92.7	89.6	86.8	82.5	89.2
2007	84.8	86.4	90.4	94.8	90.4	87.9	87.7	90.8
2008	86.4	90.8	92.5	95.2	92.0	87.4	89.3	92.0
2009	83.3	84.7	92.6	95.6	91.0	91.2	92.3	92.5

For notes on tables and figures, see page 22.

Terms

Australian Qualifications Framework (AQF) is a national framework of credentials that covers qualifications from certificate I through to a doctoral degree. For more details on the AQF, go to <<http://www.aqf.edu.au>>.

Attrition rates refer to the proportion of apprentices and trainees who commenced a contract in a given period and who have since cancelled or withdrawn from that contract.

Attrition rates to date refer to the proportion of apprentices and trainees who commenced a contract in a given period and who have since cancelled or withdrawn from that contract. As a substantial proportion of apprentices and trainees are continuing their training, particularly in trade occupations, these rates will be revised in subsequent publications; therefore, they are recorded as 'to date' attrition rates.

Australian and New Zealand Standard Classification of Occupations (ANZSCO) is a classification of the occupation of individuals. The classification is based on the Australian Bureau of Statistics (ABS), Australian and New Zealand Standard Classification of Occupations (1st edition, ABS cat.no.1220.0).

Commencements refer to apprentices and trainees starting a program of training. The date of commencement is the date that an apprentice or trainee's contract of training is registered or approved under the provisions of the relevant state/territory legislation.

Completions refer to apprenticeship or traineeship contracts of training in which all of the prescribed requirements have been met.

Completion rates refer to the proportion of apprentices and trainees who commenced a contract in a given period and who have since completed the requirements of training for that contract.

Completion rates to date refer to the proportion of apprentices and trainees who commenced a contract in a given period and who have since completed the requirements of training for that contract. As a substantial proportion of apprentices and trainees are yet to complete training, particularly in trade occupations, these rates will be revised in subsequent publications; therefore, they are recorded as 'to date' completion rates.

Continuing or outcome not known refers to the proportion of apprentices and trainees who commenced a contract in a given period and who have not yet completed the requirements of training for that contract or cancelled or withdrawn from that contract.

Contract status indicates the status of apprentice and trainee contracts of training, including the commencement, completion, and cancellation/withdrawal of contracts, and apprentices and trainees 'in-training'.

Existing workers refer to those apprentices and trainees who were employed by their current employer for more than three months full-time (or 12 months part-time/casual) prior to commencing their training contract.

Expired contracts refer to contracts for which the anticipated completion date has passed without the apprentice or trainee attaining the required competency standard, or for where the outcome of the contract is unknown.

Full-time apprentices or trainees are those whose ordinary hours of employment, including the training component, are at least the usual hours of employment for a full-time employee in that occupation.

Industry skills councils are organisations representing particular industries. For more information on industry skills councils, go to <<http://www.isc.org.au>>. For more information on training packages developed by industry skills councils, go to <<http://www.ntis.gov.au>>.

In-training refers to apprentices and trainees who are actively training under the terms of their training contract and who have not completed, cancelled, withdrawn or suspended their training, nor had their training contract expire without meeting all of the prescribed requirements of their program.

Newly commencing workers are those who are not existing workers (i.e. apprentices and trainees who are not employed by their current employer prior to commencing their training contract).

Non-trades refer to those apprentices and trainees employed in occupations outside of the trades. Non-trades include all occupations listed under the Australian and New Zealand Standard Classification of Occupations (ANZSCO 1st edition) with the exception of major group 3 (Technicians and trades workers).

Part-time apprentices or trainees are defined as those whose ordinary hours of employment, including the training component, are less than full-time. Part-time provisions vary across Australia and across occupations, with 'part-time' defined by each state and territory.

School-based refers to those who commence an approved school-based apprenticeship or traineeship.

Seasonal adjustment refers to a mathematical model used in time series data to smooth out fluctuations attributable to seasonal influences.

Trades refer to those apprentices and trainees employed in trades occupations under major group 3 (Technicians and trades workers) of the Australian and New Zealand Standard Classification of Occupations (ANZSCO 1st edition).

Training duration indicates the amount of time that an apprentice or trainee takes to complete their contract of training from time of commencement.

Training packages are a set of nationally endorsed standards, guidelines and qualifications for training and for recognising and assessing skills. For more details on training packages, go to <<http://www.ntis.gov.au>>.

Training rates are the number of apprentices and trainees in-training as a proportion of the number of individuals employed. In calculating training rates, both in-training and employment figures exclude those below 15 years of age. Employment data are collected by the Australian Bureau of Statistics. For more details on labour force statistics, go to <<http://www.abs.gov.au>>.

Notes on tables and figures

Due to the lags in processing numbers, recent quarter activity is estimated. Figures may be subject to error as they are based on a sample, not the total population. Figures in bold are actual numbers. See the supporting documents at <<http://www.ncver.edu.au/publications/2263.html>> for the standard errors on these estimates.

- 1 The number of apprentices and trainees in-training is shown as at 31 December, while the number of commencements, completions, cancellations and withdrawals is provided for the year ending 31 December.
- 2 The cancellation and withdrawal figures are inclusive of the new contract status 'transferred', as contract transfers were historically reported as cancellations or withdrawals. The 'transferred' contract status has only been used in Victoria to date, and currently has a low base. As the use of this contract status progresses in the future, alternative reporting arrangements for handling transfers will be implemented.
- 3 The data presented in figures 1 and 2 have been seasonally adjusted and smoothed. For further information, please refer to the technical notes on page 6.
- 4 Due to the introduction of existing worker flag and full-time identifier into the collection from 2002, this table is provided for 2002 to 2009 only.
- 5 Unknown data have not been reported, whereas the total includes all contracts, including those with unknown status. Hence, some figures may not sum to the total.
- 6 Trade occupations are defined as all major occupation group 3 – Technicians and trades workers (ANZSCO 1st edition).
- 7 Non-trade occupations are defined as all ANZSCO 1st edition occupations with the exception of Technicians and trades workers (i.e. major groups 1–2 and 4–8).
- 8 Derived by calculating the number of apprentices and trainees (aged 15 years and over) in-training as at 31 December (NCVER data) as a percentage of employed persons (aged 15 years and over) as at December (ABS data). See ABS, *Labour force, Australia, Detailed*, electronic delivery, March 2010, cat.no.6291.0.55.001; and ABS, *Labour force, Australia, Detailed, Quarterly, February 2010*, cat.no.6291.0.55.003.
- 9 The number of apprentices and trainees in-training are those aged 15 years and over, whereas all ages are represented in table 1. Consequently, totals of in-training numbers may differ from table 1.
- 10 Trade employment refers to those persons aged 15 years or over employed in a Technicians and trades workers occupation (ANZSCO 1st edition) group.
- 11 Derived by calculating the number of trade apprentices (aged 15 years and over) in-training as at 31 December (NCVER data) as a percentage of employed persons (aged 15 years and over) as at November (ABS data). The ABS does not produce monthly estimates of employment by occupation, with data available on a quarterly basis only (i.e. February, May, August and November).
- 12 The number of employed persons by occupation is reported on a quarterly basis only. This may differ from the total training rate for 15 to 19-year-olds in table 7, which is reported on a monthly basis.
- 13 Completion rates are derived for contracts of training for apprentices and trainees. If an individual commenced two or more contracts in the same year, each is counted separately. Completion rates do not take into account continuing contracts or expired contracts where the outcome is unknown. Further completion rate data are available in the supporting data tables, which can be found in the data section at <<http://www.ncver.edu.au/publications/2263.html>>. For further details on the methodology, see the technical notes on page 6.
- 14 Completion and attrition rates are reported 'to date' where a substantial proportion of apprentices and trainees are still in training, particularly for those in trade occupations. 'To date' completion and attrition rates will be revised in subsequent publications.
- 15 Attrition rates are derived for contracts of training for apprentices and trainees. If an individual commenced two or more contracts in the same year, each is counted separately. Attrition rates do not take into account continuing contracts or expired contracts where the outcome is unknown. Further attrition rate data are available in the supporting data tables, which can be found in the data section at <<http://www.ncver.edu.au/publications/2263.html>>. For further details on the methodology, see the technical notes on page 6.
- 16 Caution is recommended when comparing percentages from more recent years with those from earlier years. No allowance has been made for under-reporting of cancellations and withdrawals due to reporting lags.
- 17 Industry skills councils represent particular industries and groups of training packages. For more information on how training packages are grouped by industry skills council, see the supporting documents at <<http://www.ncver.edu.au/publications/2263.html>>.
- 18 Completions where duration of training is unknown are excluded from the calculation of proportions.



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